Abstract of the Disclosure

A system and method for delivering increases speed, security, and intelligence to wireline and wireless systems. The present invention increases channel capacity by using a parallel or multi-channel structure in such wireless and wireline at the edge or the core of. This new architecture of the present invention uses parallel bitstreams in a flexible way and distributed switching/routing technique, is not only to avoid the potential bottlenet of centralized switches, but also to increase speed with intelligence that is seamlessly integrating into the Fiber Optic Backbone such as WDM and SONET of the MAN/WAN network with a Real-time guarantees, different types of traffic (such as Stringent synchronous, isochronous, and asynchronous data messages) with different demands, and privacy & security of multi access and integrated services environment.